

Abstract of the Invention

A method for reliably transmitting signaling information is provided. One type of
5 signaling information is transmitted over a primary control channel. The signaling
information that is to be transmitted over the primary control channel is defined as a set
of particular information. Other signaling information are conveyed over a secondary
control channel. Prior to transmission, the information to be conveyed over the secondary
10 channel is scrambled in accordance with a particular scrambling procedure that indicates
the information that is to be sent over the primary control channel. The scrambling is
thus used to encode the information content of the primary control channel into the
information of the secondary control channel thereby further protecting the integrity of
the information being conveyed over both control channels.